

AMENDMENTS TO THE CLAIMS:

The listing of claims below will replace all prior versions, and listings, of the claims in this application.

Listing of Claims:

1.-2. (Canceled)

3. (Currently Amended) A cut stone, comprising:

a pavilion portion having a culet;

a crown portion;

a girdle separating said pavilion portion from said crown portion; ~~and~~

a plurality of pavilion main facets, wherein each pavilion main facet extends from ~~near said culet to said girdle~~ to said culet;

wherein ~~said adjacent~~ pavilion main facets ~~vary in~~ have different widths, and

wherein the stone is a round cut.

4. (Original) The stone of claim 3, wherein said pavilion main facets alternate in a clockwise direction between thick pavilion main facets and thin pavilion main facets.

5. (Original) The stone of claim 4, wherein said thick pavilion main facets are at least about 30 percent thicker than said thin pavilion main facets and wherein said thick pavilion main facets are at most about 60 percent thicker than said thin pavilion main facets.

6. (Previously Presented) The stone of claim 3, further comprising a table on said crown;

wherein:

said table has a plurality of sides; and

the number of pavilion main facets equals the number of sides of said table.

7. (Previously Presented) The stone of claim 3, further comprising:

a table on said crown; and

a plurality of bezel facets on said crown, each of said bezel facets having an upper vertex at said table and a lower vertex at said girdle;

wherein said pavilion main facets terminate in an upper vertex at said girdle in substantial alignment with said lower vertex of a corresponding bezel facet of said crown.

8.-15. (Canceled)

16. (Currently Amended) A method for cutting a stone, said method comprising:

forming a crown portion;

forming a pavilion portion including a culet;

forming a girdle separating said crown portion from said pavilion portion; and

forming a plurality of pavilion main facets on said pavilion portion, ~~said~~ such that adjacent pavilion main facets varying in have different widths thickness, wherein each pavilion main facet extends from ~~near said culet to~~ said girdle to said culet,

wherein the stone is a round cut.

17. (Original) The method of claim 16, further comprising forming said pavilion main facets with thicknesses alternating between thick pavilion main facets and thin pavilion main facets.

18. (Original) The method of claim 17, wherein said thick pavilion main facets are at least about 30 percent thicker than said thin pavilion main facets and at most about 60 percent thicker than said thin pavilion main facets.

19.-22. (Canceled)

23. (New) The stone of claim 3, further comprising a plurality of lower girdle facets positioned between adjacent pavilion main facets.

24. (New) The stone cut of claim 3, wherein a first pavilion main facet has a first vertex at said culet and a first angle at said first vertex, and a second pavilion main facet, which is adjacent said first pavilion main facet, has a second vertex at said culet and a second angle at said second vertex such that said first angle is greater than said second angle.

25. (New) The stone cut of claim 3, wherein said first angle is about 42 degrees and said second angle is about 30 degrees.

26. (New) The stone of claim 16, further comprising a plurality of lower girdle facets positioned between adjacent pavilion main facets.

27. (New) The stone cut of claim 16, wherein a first pavilion main facet has a first vertex at said culet and a first angle at said first vertex, and a second pavilion main facet, which is adjacent said first pavilion main facet, has a second vertex at said culet and a second angle at said second vertex such that said first angle is greater than said second angle.

28. (New) A cut stone, comprising:

a pavilion portion having a culet;

a crown portion;

a girdle separating said pavilion portion from said crown portion; and

a plurality of pavilion main facets, wherein each pavilion main facet is located between said culet and said girdle;

wherein a first pavilion main facet has a first vertex at said culet and a first angle at said first vertex, and a second pavilion main facet, which is adjacent said first pavilion main facet, has a second vertex at said culet and a second angle at said second vertex such that said first angle is greater than said second angle; and

wherein the stone is a round cut.

29. (New) A method for cutting a stone, said method comprising:

forming a crown portion;

forming a pavilion portion including a culet;

forming a girdle separating said crown portion from said pavilion portion; and

forming a plurality of pavilion main facets on said pavilion portion between said culet and said girdle;

wherein a first pavilion main facet has a first vertex at said culet and a first angle at said first vertex, and a second pavilion main facet, which is adjacent said first pavilion main facet, has a second vertex at said culet and a second angle at said second vertex such that said first angle is greater than said second angle; and

wherein the stone is a round cut.

30. (New) A cut stone, comprising:

a pavilion portion having a culet;

a crown portion;

a girdle separating said pavilion portion from said crown portion; and

a plurality of pavilion main facets located between said culet and said girdle, wherein each pavilion main facet has a dimension which increases from said girdle towards said culet, wherein adjacent pavilion main facets have different widths; and

wherein the stone is a round cut.